

IN THE CLAIMS

1. (currently amended) A ~~distribution~~ ~~contents forming method~~ of forming distribution contents that includes a data module, the data module including a script, said method comprising the steps of:

~~searching the inside of a script constructed by for a plurality of characters or given character strings formed as one of modules constructing the distribution contents and extracting the characters or character string having high redundancy; and~~

~~replacing the characters or given character string of the high redundancy extracted in the script with the a substitute characters or character string that is associated with the given character string, the substitute character or character string having fewer characters than the given character string~~ low redundancy.

2. (currently amended) A ~~distribution~~ ~~contents forming method~~ according to claim 1, ~~further including a step of comprising:~~

~~temporarily storing the distribution contents obtained after the carrying out said replacement step, and then before distributing said the contents.~~

3. (currently amended) A ~~distribution~~ ~~contents forming method~~ according to claim 1, wherein ~~said characters or the given character string of the high redundancy includes is a~~ function name or a variable name.

4. (currently amended) A ~~distribution~~ ~~contents forming method~~ according to claim ~~1~~26, wherein ~~in the step of replacing said characters or character string of the high redundancy with further comprising:~~

~~determining whether the substitute characters or character string of the low redundancy, the use of is a system reservation reserved word, and when the substitute character or character string is a system reserved word, replacing the~~

substitute character or character string with a further substitute character or character string prior to carrying out said associating step~~as a character string of the low redundancy is eliminated.~~

5. (currently amended) A ~~distribution—contents forming method~~ according to claim 1, ~~further including the steps of~~comprising:

~~extracting—searching the script for a sentence constructed by the characters or further character string that does not affect execution of the script~~which is not concerned with processes which are executed on the reception side of the distribution contents; and deleting said extracted sentence~~the further character string from the script.~~

6. (currently amended) A ~~distribution—contents forming method~~ according to claim 5, ~~said sentence constructed by the characters or~~ wherein the further character string which is not concerned with processes which are executed on the reception side of the distribution contents is a comment sentence divided string preceded by a predetermined delimiter.

7. (currently amended) A ~~distribution—contents forming method~~ according to claim 1~~26~~, wherein said determining step includes scanning the script to detect a plurality of character strings that each match the predetermined criteria, said method further comprising:

~~a step of storing an~~ sorting the plurality of character strings in order of their appearance frequency in the script with respect to each of the characters or character string extracted in the step of extracting the characters or character string of the high redundancy, and

said associating wherein in the step of replacing the characters or ~~including, for each one of the plurality of character strings, of the high redundancy associating that character string with the~~ a specific one of a plurality of

substitute characters or character strings of the low redundancy, whereby when a given one of the characters or plurality of character strings having has a large greater appearance frequency than another one of the plurality of character strings, is replaced with the substitute characters or character string whose associated with the given one of the plurality of character strings has a same or smaller number of characters than the substitute character or character string associated with the another one of the plurality of character strings is small.

8. (currently amended) A ~~contents~~ distributing method of distributing contents ~~constructed by that includes a plurality of data modules, at least one of the plurality of modules including a script, said method comprising the steps of:~~

~~searching the inside script of the data module described in a script language format constructed by a plurality of characters or for a given character strings and extracting the characters or character string having high redundancy;~~

~~replacing the characters or given character string of the high redundancy extracted in the script with the a substitute characters or character string that is associated with the given character string, the substitute character or character string having fewer characters than the given character string low redundancy;~~

~~storing the data module obtained after the carrying out said replacement step; and~~

~~distributing the stored data module.~~

9. (currently amended) A ~~contents~~ distributing method according to claim 8, wherein ~~said characters or the given character string of the high redundancy includes is a function name or a variable name.~~

10. (currently amended) A ~~contents~~ distributing method according to claim 8, wherein ~~in said step of replacing~~

~~the characters or character string of the high redundancy with further comprising:~~

~~determining whether the substitute characters or character string of the low redundancy, the use of is a system reservation reserved word, and when the substitute character or character string is a system reserved word, replacing the substitute character or character string with a further substitute character or character string prior to carrying out said associating steps~~
~~a character string of the low redundancy is eliminated.~~

11. (currently amended) A ~~contents—distributing~~ method according to claim 8, further including the steps ~~of comprising:~~

~~extracting a sentence constructed by the characters or searching the script for a further character string that does not affect execution of the script~~
~~which is not concerned with processes which are executed on the reception side of the distribution contents; and deleting the further character string from the script~~
~~said extracted sentence.~~

12. (currently amended) A ~~contents—distributing~~ method according to claim 11, wherein the sentence constructed by the characters or further character string which is not concerned with processes which are executed on the reception side of the distribution contents is a comment sentence divided string preceded by a predetermined delimiter.

13. (currently amended) A ~~contents—distributing~~ method according to claim 8, wherein said determining step includes scanning the script to detect a plurality of character strings that each match the predetermined criteria, said method further including the step of storing an ~~comprising:~~

~~sorting the plurality of character strings in order of their appearance frequency in the script with respect to each of the characters or character string extracted in the step of~~

~~extracting the characters or character string of the high redundancy, and~~

~~said associating wherein in the step of replacing the characters or including, for each one of the plurality of character strings, associating that character string of the high redundancy with the a specific one of a plurality of substitute characters or character strings of the low redundancy, whereby when a given one of the characters or plurality of character strings having has a large greater appearance frequency than another one of the plurality of character strings, is replaced with the substitute characters or character string whose associated with the given one of the plurality of character strings has a same or smaller number of characters than the substitute character or character string associated with the another one of the plurality of character strings is small.~~

14. (currently amended) An ~~contents~~ distributing apparatus for distributing contents ~~constructed by that includes~~ a plurality of data modules, at least one of the plurality of modules including a script, said apparatus comprising:

~~means for searching the inside script of the data module described in a script language format constructed by a plurality of characters or for a given character strings and extracting the characters or character string having high redundancy;~~

~~means for replacing the characters or given character string of the high redundancy extracted in the script with the a substitute characters or character string that is associated with the given character string, the substitute character or character string having fewer characters than the given character string low redundancy;~~

~~means for storing the data module obtained after replacing the given character string with the substitute character or character string replacement; and~~

means for distributing the stored data module.

15. (currently amended) An ~~contents—distributing~~ apparatus according to claim 14, wherein the ~~characters or given~~ character string ~~of the high redundancy includes~~ is a function name or a variable name.

16. (currently amended) An ~~contents—distributing~~ apparatus according to claim ~~14~~30, wherein ~~the means for replacing the characters or character string of the high redundancy with~~ further comprising:

means for determining whether the substitute characters or character string ~~of the low redundancy eliminates~~ the use of is a system reservation reserved word, and when the substitute character or character string is a system reserved word, for replacing the substitute character or character string with a further substitute character or character string prior to being associated with the given character string ~~as a character string of the low redundancy.~~

17. (currently amended) An ~~contents—distributing~~ apparatus according to claim 14, ~~further including~~ further comprising:

means for extracting a sentence constructed by the ~~characters or~~ searching the script for a further character string that does not affect execution of the script ~~which is not concerned with processes which are executed on the reception side of the distribution contents; and~~

means for deleting said extracted sentence ~~the further~~ character string from the script.

18. (currently amended) An ~~contents—distributing~~ apparatus according to claim 17, wherein the ~~sentence constructed by the characters or~~ further character string ~~which is not concerned with processes which are executed on the reception side of the distribution contents~~ is a comment sentence divided string preceded by a predetermined delimiter.

19. (currently amended) An ~~contents—distributing~~ apparatus according to claim ~~14~~30, wherein said means for determining includes means for scanning the script to detect a plurality of character strings that each match the predetermined criteria, said apparatus further including comprising:

means for storing—~~an—~~sorting the plurality of character strings in order of their appearance frequency in the script in each of the characters or character string extracted by the step of extracting the characters or character string of the high redundancy, and

said means for associating including, for each one of the plurality of character strings, means for associating that wherein in the means for replacing the characters or character string of the high redundancy with the a specific one of a plurality of substitute characters or character strings of the low redundancy, whereby when a given one of the characters or plurality of character strings having has a large greater appearance frequency than another one of the plurality of character strings, is replaced with the substitute characters or character string whose—associated with the given one of the plurality of character strings has a same or smaller number of characters than the substitute character or character string associated with the another one of the plurality of character strings is small.

20. (currently amended) A ~~code—converting—method of converting a—reducing the size of~~ source code ~~constructed by a plurality of characters or character strings having a meaning regarding computer processes, said method comprising the steps of:~~

searching the inside of the source code and extracting the characters or for a given character string having high redundancy; and

replacing the ~~extracted characters or given~~ character string of the ~~high redundancy~~ with the a substitute characters or character string that is associated with the given character string, the substitute character or character string having fewer characters than the given character string~~low redundancy~~.

21. (currently amended) A ~~code—converting—method~~ according to claim 20, wherein the ~~characters or given~~ character string of the ~~high redundancy~~ includes is a function name or a variable name.

22. (currently amended) A ~~code—converting—method~~ according to claim ~~20~~32, wherein ~~in the step of replacing the characters or character string of the high redundancy with~~ further comprising:

determining whether the substitute characters or character string of the ~~low redundancy~~, ~~the use of~~ is a system reservation reserved word, and when the substitute character or character string is a system reserved word, replacing the substitute character or character string with a further substitute character or character string prior to carrying out said associating steps~~a character string of the low redundancy is eliminated~~.

23. (currently amended) A ~~code—converting—method~~ according to claim 20, further comprising ~~the steps of:~~

~~extracting a sentence constructed by the characters or~~ searching the source code for a further character string that does not affect execution of the source code~~which is not concerned with the execution of said code in the source code;~~ and

~~deleting said extracted sentence~~the further character string.

24. (currently amended) A ~~code—converting—method~~ according to claim 23, wherein ~~said sentence constructed by the characters or~~ the further character string ~~which is not~~

~~concerned with the execution of the code is a comment sentence divided string preceded by a predetermined delimiter.~~

25. (currently amended) A ~~code converting method~~ according to claim 2032, wherein said determining step includes scanning the source code to detect a plurality of character strings that each match the predetermined criteria, said method further including a step of storing an comprising:

sorting the plurality of character strings in order of their appearance frequency in the source codescript with respect to each of the characters or character string extracted in the step of extracting the characters or character string of the high redundancy, and

said associating wherein in the step of replacing the characters or including, for each one of the plurality of character strings, associating that character string of the high redundancy with the a specific one of a plurality of substitute characters or character strings of the low redundancy, whereby when a given one of the characters or plurality of character strings having has a large greater appearance frequency than another one of the plurality of character strings, is replaced with the substitute characters or character string whose associated with the given one of the plurality of character strings has a same or smaller number of characters than the substitute character or character string associated with the another one of the plurality of character strings is small.

26. (new) A method according to claim 1, further comprising:

determining, prior to said searching step, the given character string by scanning the script to detect a character string that matches predetermined criteria; and

associating the given character string with the substitute character or character string.

27. (new) A method according to claim 26, further comprising:

storing the given character string and the substitute character or character string in a correspondence table.

28. (new) A method according to claim 8, further comprising:

determining, prior to said searching step, the given character string by scanning the script to detect a character string that matches predetermined criteria; and

associating the given character string with the substitute character or character string.

29. (new) A method according to claim 28, further comprising:

storing the given character string and the substitute character or character string in a correspondence table.

30. (new) An apparatus according to claim 14, further comprising:

means for determining, prior to searching the script, the given character string by scanning the script to detect a character string that matches predetermined criteria; and

means for associating the given character string with the substitute character or character string.

31. (new) An apparatus according to claim 30, further comprising:

means for storing the given character string and the substitute character or character string in a correspondence table.

32. (new) A method according to claim 20, further comprising:

determining, prior to said searching step, the given character string by scanning the source code to detect a character string that matches predetermined criteria; and

associating the given character string with the substitute character or character string.

33. (new) A method according to claim 32, further comprising:

storing the given character string and the substitute character or character string in a correspondence table.